

FIG. 1A

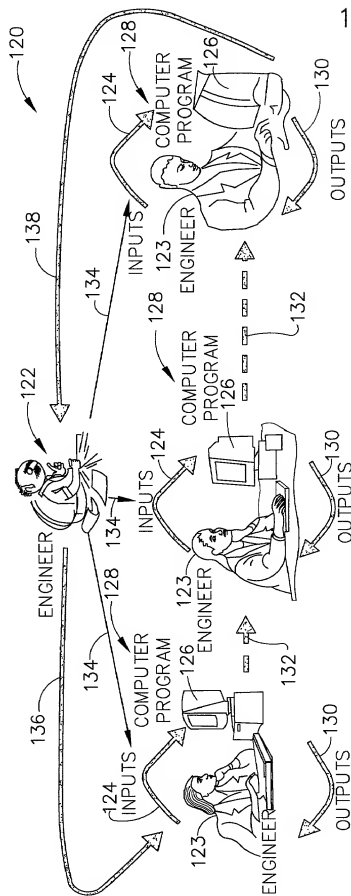


FIG. 1B

FIG. 2A

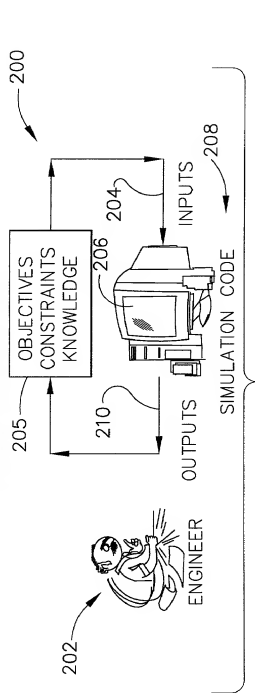


FIG. 2A

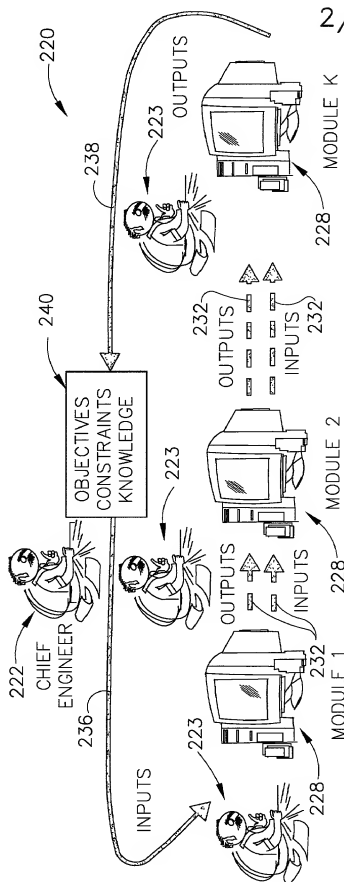


FIG. 2B

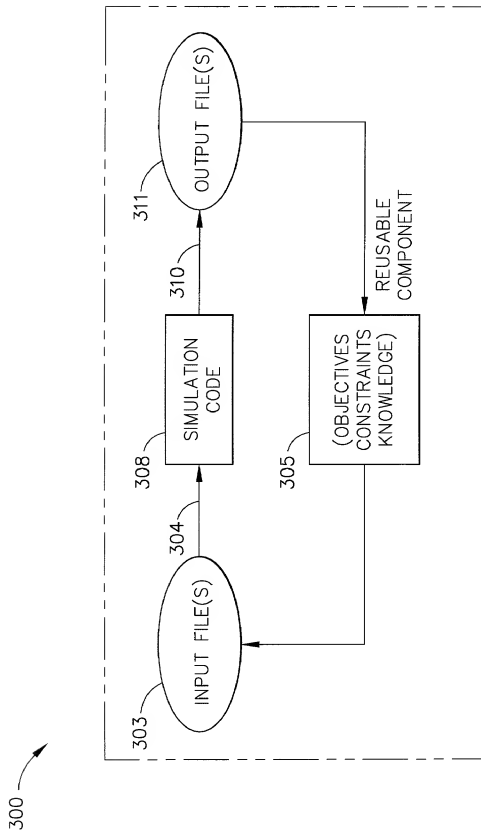


FIG. 3A

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PROBLEM DEFINITION - TASK 1

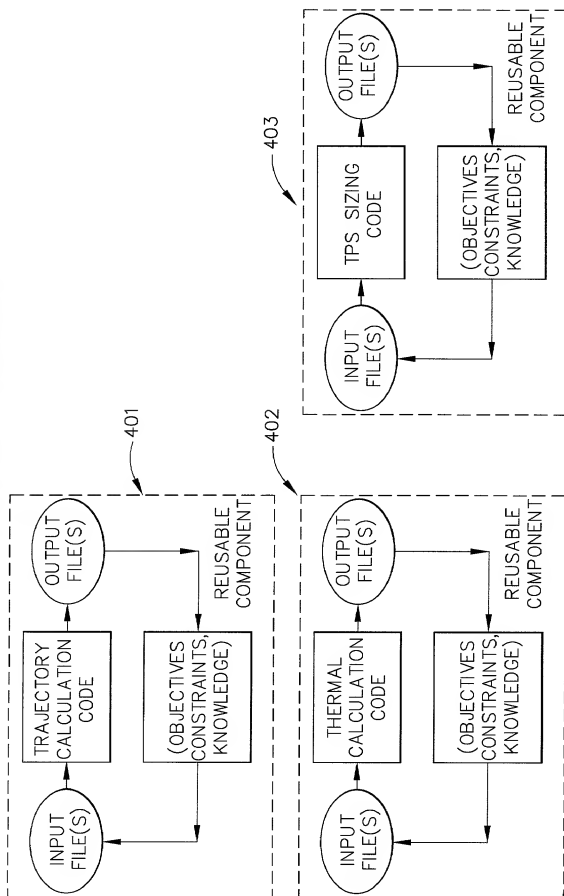
Detail for Task1 Task:

Parameters

Inputs Output Auxiliaries Constraints Selected Group All

Parameter	Var.	Obj.	Obj. Sci. Factor	Lower Bound	Current Value	Upper Bound
1 Videal	<input checked="" type="checkbox"/>	<input type="checkbox"/>			≤ 615.896	≤ 680.0
2 MaxTime	<input type="checkbox"/>	<input type="checkbox"/>			5000.0	
3 weightBdb	<input type="checkbox"/>	<input type="checkbox"/>			6815.0	
4 MachAlpha [0,0]	<input type="checkbox"/>	<input type="checkbox"/>			0.0	
5 MachAlpha [0,1]	<input type="checkbox"/>	<input type="checkbox"/>			15.0	
6 MachAlpha [0,2]	<input type="checkbox"/>	<input type="checkbox"/>			0.0	
7 MachAlpha [0,3]	<input type="checkbox"/>	<input type="checkbox"/>			15.0	
8 MachAlpha [0,7]	<input type="checkbox"/>	<input type="checkbox"/>			5.0	
9 MachAlpha [0,5]	<input type="checkbox"/>	<input type="checkbox"/>			22.0	
10 MachAlpha [0,6]	<input type="checkbox"/>	<input type="checkbox"/>			7.5	
11 MachAlpha [0,7]	<input type="checkbox"/>	<input type="checkbox"/>			33.0	
12 MachAlpha [0,8]	<input type="checkbox"/>	<input type="checkbox"/>			9.5	
13 MachAlpha [0,9]	<input type="checkbox"/>	<input type="checkbox"/>			40.0	
14 MachAlpha [1,0]	<input type="checkbox"/>	<input type="checkbox"/>			50.0	
15 MachAlpha [1,1]	<input type="checkbox"/>	<input type="checkbox"/>			40.0	
16 MachAlpha [1,2]	<input type="checkbox"/>	<input type="checkbox"/>			49.9	
17 MachAlpha [1,3]	<input type="checkbox"/>	<input type="checkbox"/>			40.0	
18 MachAlpha [1,4]	<input type="checkbox"/>	<input type="checkbox"/>			22.4	
19 MachAlpha [1,5]	<input type="checkbox"/>	<input type="checkbox"/>			40.0	
20 MachAlpha [1,6]	<input type="checkbox"/>	<input type="checkbox"/>			25.0	
21 MachAlpha [1,7]	<input type="checkbox"/>	<input type="checkbox"/>			40.0	
22 MachAlpha [1,8]	<input type="checkbox"/>	<input type="checkbox"/>			30.0	
23 MachAlpha [1,9]	<input type="checkbox"/>	<input type="checkbox"/>			40.0	
24 comma	<input type="checkbox"/>	<input type="checkbox"/>				
25 gamma	<input type="checkbox"/>	<input type="checkbox"/>		-1.7	≤ -1.27026	≤ -1.0
26 tiheat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	50000		76879.32	
27 endtime	<input type="checkbox"/>	<input type="checkbox"/>			4614.0	
28 endatito	<input type="checkbox"/>	<input type="checkbox"/>		0.0	≤ 0.0	≤ 1000.0
29 heatit	<input type="checkbox"/>	<input type="checkbox"/>			7.080555	
30 Maxheatit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	50		60.33540	≤ 61.0
31 Peakheatit	<input type="checkbox"/>	<input type="checkbox"/>			19.49026	
32 Objective					2.744298	
33 Feasibility					8	
34 Task Process Status					-1.0	≤ 0.0

FIG. 3B



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FIG. 4

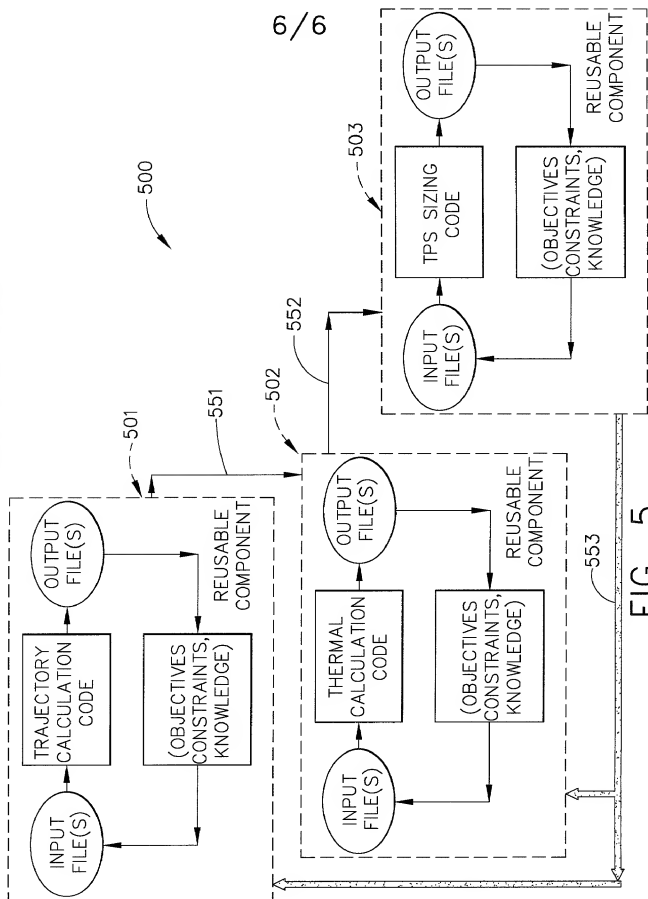


FIG. 5